

MA 6910300

**APPENDIX A**  
**NOTICE OF INTENT (NOI) FOR REMEDIATION GENERAL PERMIT (RGP)**

## **B. Suggested Form for Notice of Intent (NOI) for the Remediation General Permit**

**1. General site information.** Please provide the following information about the site:

a) Name of facility/site: Sloan School of Management Building Massachusetts Institute of Technology		Facility/site address: 100 Main Street Cambridge, MA 02139	
Location of facility/site: longitude: <u>-71.5</u> latitude: <u>42.3</u>	Facility SIC code(s):	Street: 100 Main Street	
b) Name of facility/site owner: MIT, Department of Facilities		Town: Cambridge	
Email address of owner: RQuade@mit.edu	State: MA	Zip: 02139	County: Middlesex
Telephone no. of facility/site owner: (617) 324-3338		<b>Owner is (check one):</b> 1. Federal _____ 2. State/Tribal _____ 3. Private <input checked="" type="checkbox"/> 4. other, if so, describe:	
Fax no. of facility/site owner: (617) 452-2342			
Address of owner (if different from site):			
Street: 77 Massachusetts Avenue, Building NE49-2100			
Town: Cambridge	State: MA	Zip: 02139	County: Middlesex
c) Legal name of operator: Walsh Brothers, Incorporated	Operator telephone no: (617) 293-7593		
	Operator fax no.: (617) 720-6116		Operator email: jgiuffre@walshborthers.com
Operator contact name and title: Joseph Giuffre			

Address of <b>operator</b> (if different from owner):	Street: 210 Commercial Street		
Town: Boston	State: MA	Zip: 02129	County: Suffolk

d) Check "yes" or "no" for the following:

1. Has a prior NPDES permit exclusion been granted for the discharge? Yes \_\_\_ No ☒ if "yes," number:

2. Has a prior NPDES application (Form 1 & 2C) ever been filed for the discharge? Yes \_\_\_ No ☒ if "yes," date and tracking #:

3. Is the discharge a "new discharge" as defined by 40 CFR 122.2? Yes \_\_\_ No ☒

4. For sites in Massachusetts, is the discharge covered under the MA Contingency Plan (MCP) and exempt from state permitting? Yes ☒ No \_\_\_

<p>e) Is site/facility subject to any State permitting or other action which is causing the generation of discharge? Yes ___ No <input checked="" type="checkbox"/></p> <p>If "yes," please list:</p> <p>1. site identification # assigned by the state of NH or MA:</p> <p>2. permit or license # assigned:</p> <p>3. state agency contact information: name, location, and telephone number:</p>	<p>f) Is the site/facility covered by any other EPA permit, including:</p> <p>1. multi-sector storm water general permit? Y ___ N <input checked="" type="checkbox"/> if Y, number:</p> <p>2. phase I or II construction storm water general permit? Y ___ N <input checked="" type="checkbox"/> if Y, number:</p> <p>3. individual NPDES permit? Y ___ N <input checked="" type="checkbox"/> if Y, number:</p> <p>4. any other water quality related permit? Y ___ N <input checked="" type="checkbox"/> if Y, number:</p>
--	---

**2. Discharge information.** Please provide information about the discharge, (attaching additional sheets as needed) including:

<p>a) Describe the discharge activities for which the owner/applicant is seeking coverage:</p> <p style="margin-left: 20px;">Temporary construction dewatering in support of new below grade construction.</p>		
<p>b) Provide the following information about each discharge:</p>	<p>1) Number of discharge points:</p> <p style="text-align: center;">3</p>	<p>2) What is the <b>maximum</b> and <b>average flow rate</b> of discharge (in cubic feet per second, ft<sup>3</sup>/s)? Max. flow <u>0.17</u></p> <p>Average flow <u>0.06</u> Is maximum flow a <b>design value</b>? Y ___ N <input checked="" type="checkbox"/></p> <p>For average flow, include the units and appropriate notation if this value is a design value or estimate if not available.</p>
<p>3) Latitude and longitude of each discharge within 100 feet: pt.1: long. <u>-71.0</u> lat. <u>42.4</u> ; pt.2: long. <u>-71.1</u> lat. <u>42.4</u> ; pt.3: long. <u>-71.1</u> lat. <u>42.4</u> ; pt.4: long. _____ lat. _____ ; pt.5: long. _____ lat. _____ ; pt.6: long. _____ lat. _____ ; pt.7: long. _____ lat. _____ ; pt.8: long. _____ lat. _____ ; etc.</p>		

4) If hydrostatic testing, total volume of the discharge (gals):	5) Is the discharge intermittent <input checked="" type="checkbox"/> or seasonal _____? Is discharge ongoing Yes _____ No <input checked="" type="checkbox"/> ?
c) Expected dates of discharge (mm/dd/yy): start <u>04/15/07</u> end <u>09/15/09</u>	
d) Please attach a line drawing or flow schematic showing water flow through the facility including: 1. sources of intake water, 2. contributing flow from the operation, 3. treatment units, and 4. discharge points and receiving waters(s).	

3. Contaminant information. In order to complete this section, the applicant will need to take a minimum of one sample of the untreated water and have it analyzed for **all** of the parameters listed in Appendix III. Historical data, (i.e., data taken no more than 2 years prior to the effective date of the permit) may be used if obtained pursuant to: i. Massachusetts' regulations 310 CMR 40.0000, the Massachusetts Contingency Plan ("Chapter 21E"); ii. New Hampshire's Title 50 RSA 485-A: Water Pollution and Waste Disposal or Title 50 RSA 485-C: Groundwater Protection Act; or iii. an EPA permit exclusion letter issued pursuant to 40 CFR 122.3, provided the data was analyzed with test methods that meet the requirements of this permit. Otherwise, a new sample shall be taken and analyzed.

a) Based on the analysis of the sample(s) of the untreated influent, the applicant must check the box of the sub-categories that the potential discharge falls within.

Gasoline Only	VOC Only	Primarily Metals	Urban Fill Sites <input checked="" type="checkbox"/>	Contaminated Sumps	Mixed Contaminants	Aquifer Testing
Fuel Oils (and Other Oils) only	VOC with Other Contaminants	Petroleum with Other Contaminants	Listed Contaminated Sites	Contaminated Dredge Condensates	Hydrostatic Testing of Pipelines/Tanks	Well Development or Rehabilitation

b) Based on the analysis of the untreated influent, the applicant must indicate whether each listed chemical is **believed present** or **believed absent** in the potential discharge. Attach additional sheets as needed.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
1. Total Suspended Solids		<input checked="" type="checkbox"/>	1	Grab	160.2	5000	20000			
2. Total Residual Chlorine	<input checked="" type="checkbox"/>		1	Grab	330.1	20	ND			
3. Total Petroleum Hydrocarbons	<input checked="" type="checkbox"/>		1	Grab	1664	4000	ND			
4. Cyanide		<input checked="" type="checkbox"/>	1	Grab	335.2	5	192			
5. Benzene	<input checked="" type="checkbox"/>		1	Grab	624	1	ND			
6. Toluene	<input checked="" type="checkbox"/>		1	Grab	624	1	ND			
7. Ethylbenzene	<input checked="" type="checkbox"/>		1	Grab	624	1	ND			
8. (m,p,o) Xylenes	<input checked="" type="checkbox"/>		1	Grab	624	2	ND			
9. Total BTEX <sup>4</sup>	<input checked="" type="checkbox"/>		1	Grab	624	1	ND			

<sup>4</sup> BTEX = Sum of Benzene, Toluene, Ethylbenzene, total Xylenes.

PARAMETER	Believe Absent	Believe Present	# of Samples (1 minimum)	Type of Sample (e.g., grab)	Analytical Method Used (method #)	Minimum Level (ML) of Test Method	Maximum daily value		Avg. daily value	
							concentration (ug/l)	mass (kg)	concentration (ug/l)	mass (kg)
10. Ethylene Dibromide (1,2- Dibromo-methane)	✓		1	Grab	504	0.0199	ND			
11. Methyl-tert-Butyl Ether (MtBE)	✓		1	Grab	624	20	ND			
12. tert-Butyl Alcohol (TBA)	✓		1	Grab	624	100	ND			
13. tert-Amyl Methyl Ether (TAME)	✓		1	Grab	624	20	ND			
14. Naphthalene	✓		1	Grab	624	5	ND			
15. Carbon Tetra-chloride	✓		1	Grab	624	1	ND			
16. 1,4 Dichlorobenzene	✓		1	Grab	624	5	ND			
17. 1,2 Dichlorobenzene	✓		1	Grab	624	5	ND			
18. 1,3 Dichlorobenzene	✓		1	Grab	624	5	ND			
19. 1,1 Dichloroethane	✓		1	Grab	624	1.5	ND			
20. 1,2 Dichloroethane	✓		1	Grab	624	1.5	ND			
21. 1,1 Dichloroethylene	✓		1	Grab	624	1	ND			
22. cis-1,2 Dichloro-ethylene	✓		1	Grab	624	1	ND			
23. Dichloromethane (Methylene Chloride)	✓		1	Grab	624	5	ND			
24. Tetrachloroethylene	✓		1	Grab	624	1.5	ND			

**4. Treatment system information.** Please describe the treatment system using separate sheets as necessary, including:

a) A description of the treatment system, including a schematic of the proposed or existing treatment system: <div style="display: flex; justify-content: space-around; margin-top: 10px;"> <span>System influent</span> <span>Frac. tank</span> <span>Bag filter</span> <span>Ion Exchange</span> <span>GAC filter</span> <span>Precipitation System</span> <span>Effluent</span> </div> <div style="text-align: center; margin-top: 20px;">As needed</div>						
b) Identify each applicable treatment unit (check all that apply):	Frac. tank <div style="text-align: center;">✓</div>	Air stripper	Oil/water separator	Equalization tanks	Bag filter	GAC filter
	Chlorination	Dechlorination	Other (please describe): Bag filters and Ion exchange			
c) Proposed <b>average</b> and <b>maximum flow rates</b> (gallons per minute) for the discharge and the <b>design flow rate(s)</b> (gallons per minute) of the treatment system: Average flow rate of discharge <u>25 est</u> Maximum flow rate of treatment system <u>75 est</u> Design flow rate of treatment system <u>75 es</u>						
d) A description of chemical additives being used or planned to be used (attach MSDS sheets): NA						

**5. Receiving surface water(s).** Please provide information about the receiving water(s), using separate sheets as necessary:

a) Identify the discharge pathway:	Direct _____	Within facility _____	Storm drain <input checked="" type="checkbox"/>	River/brook <input checked="" type="checkbox"/>	Wetlands _____	Other (describe):
b) Provide a narrative description of the discharge pathway, including the name(s) of the receiving waters: Dewatering effluent is planned to be discharged into an existing site storm drain. Discharge to the storm drain flows south, and the dewatering effluent eventually discharges at outfall D05OF0000 to the Charles River approximately 200 ft. from the subject site (see Figures 2 and 3).						

c) Attach a detailed map(s) indicating the site location and location of the outfall to the receiving water:

1. For multiple discharges, number the discharges sequentially.

2. For indirect discharges, indicate the location of the discharge to the indirect conveyance and the discharge to surface water

The map should also include the location and distance to the nearest sanitary sewer as well as the locus of nearby sensitive receptors (based on USGS topographical mapping), such as surface waters, drinking water supplies, and wetland areas.

d) Provide the state water quality classification of the receiving water SB

e) Provide the reported or calculated seven day-ten year low flow (7Q10) of the receiving water 14.3 cfs  
Please attach any calculation sheets used to support stream flow and dilution calculations.

f) Is the receiving water a listed 303(d) water quality impaired or limited water? Yes ☒ No ☐ If yes, for which pollutant(s)?  
Priority Organics, Pathogens

Is there a TMDL? Yes ☒ No ☐ If yes, for which pollutant(s)?  
Priority Organics, Pathogens. Documented as Category 5 Waters "Waters requiring a TMDL"

**6. Results of Consultation with Federal Services:** Please provide the following information according to requirements of Part I.B.4 and Appendices II and VII.

a) Are any listed threatened or endangered species, or designated critical habitat, in proximity to the discharge? Yes ☐ No ☒

Has any consultation with the federal services been completed? No ☒ or is consultation underway? Yes ☐ No ☒

What were the results of the consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service (check one):

a "no jeopardy" opinion? ☐ or written concurrence ☒ on a finding that the discharges are not likely to adversely affect any endangered species or critical habitat?

b) Are any historic properties listed or eligible for listing on the National Register of Historic Places located on the facility or site or in proximity to the discharge?

Yes ☒ No ☐ Have any state or tribal historic preservation officer been consulted in this determination (Massachusetts only)? Yes ☐ No ☒



**7. Supplemental information.**

Please provide any supplemental information. Attach any analytical data used to support the application. Attach any certification(s) required by the general permit.

See attached sheet.

**8. Signature Requirements:** The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Facility/Site Name: Sloan School of Management- Massachusetts Institute of Technology

MIT CONSTRUCTION MANAGER

Operator signature:

Richard O'Leary

Title:

CONSTRUCTION MANAGER

Date:

APRIL 11, 2007

**8. Signature Requirements:** The Notice of Intent must be signed by the operator in accordance with the signatory requirements of 40 CFR Section 122.22, including the following certification:

*I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, I certify that the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I certify that I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Facility/Site Name: Sloan School of Management- Massachusetts Institute of Technology

WALSH BROTHERS -

Operator signature:

Joseph M. Luffin

Title:

Date:

April 11 2007